

Table 28. Doctoral scientists and engineers, by occupation and race/ethnicity: 1999

Page 1 of 2

Occupation	Total	White <sup>1</sup>	Black	Asian/Pacific Islander	Hispanic	American Indian/Alaskan Native
[Number]						
All occupations.....	626,160	508,250	14,190	86,680	14,990	2,050
Scientists.....	385,730	319,630	7,990	46,650	10,050	1,400
Computer and information scientists.....	34,360	23,020	390	10,130	780	S
Computer/information scientists.....	27,800	17,880	230	8,990	670	S
Postsecondary teachers, computer sciences.....	6,570	5,140	160	1,140	100	S
Mathematical scientists.....	22,450	17,960	430	3,390	660	S
Mathematical scientists.....	7,270	5,560	150	1,400	150	S
Postsecondary teachers, math sciences.....	15,180	12,400	270	1,990	510	S
Life and related scientists.....	118,310	96,910	1,920	15,930	3,160	400
Agricultural scientists.....	10,080	8,470	200	940	420	S
Biological scientists.....	66,010	51,030	910	12,000	1,820	240
Forestry and conservation scientists.....	1,460	1,300	S	90	S	S
Postsecondary teachers, life and related sciences.....	40,770	36,120	790	2,890	890	90
Physical and related scientists.....	87,660	72,840	1,190	11,580	1,780	280
Chemists, except biochemistry.....	30,000	22,950	420	6,060	540	S
Earth scientists.....	11,010	9,610	S	1,130	190	S
Physics and astronomers.....	15,310	12,960	140	1,980	200	S
Other physical scientists.....	1,610	1,420	S	140	S	S
Postsecondary teachers, physical and related sciences .....	29,720	25,900	550	2,250	840	180
Social scientists.....	51,910	43,800	2,060	4,170	1,540	330
Economists.....	8,140	6,570	150	1,160	200	S
Political scientists.....	1,340	1,210	S	70	S	S
Sociologists and anthropologists.....	4,450	4,020	150	170	100	S
S&T historians and other social scientists.....	2,510	2,110	100	220	S	S
Postsecondary teachers, social sciences .....	35,470	29,890	1,650	2,550	1,160	230
Psychologists.....	71,020	65,090	2,000	1,450	2,140	340
Psychologists.....	53,150	49,040	1,270	1,050	1,510	280
Postsecondary teachers, psychology.....	17,870	16,050	730	400	630	60
Engineers.....	83,850	58,480	1,270	22,240	1,720	150
Aerospace/aeronautical engineers.....	4,720	3,620	50	990	60	S
Chemical engineers.....	8,960	5,920	120	2,780	130	S
Civil and architectural engineers.....	4,370	2,700	S	1,370	240	S
Electrical and related engineers.....	16,650	10,390	250	5,740	230	50
Materials/metallurgical engineers.....	1,100	860	S	190	S	S
Mechanical engineers.....	9,570	5,880	60	3,480	140	S
Other engineers.....	19,480	14,230	230	4,600	370	S
Postsecondary teachers, engineering.....	19,000	14,880	510	3,090	500	S
Non-S&E occupations.....	156,590	130,140	4,930	17,790	3,220	510
Top/mid-level managers, administrators, etc.....	75,340	63,460	2,310	7,760	1,550	270
Health and related occupations.....	18,970	14,980	690	2,860	370	70
Teachers, except S&E postsecondary teachers.....	26,670	22,860	1,290	1,770	640	110
Social services and related occupations.....	2,810	2,270	220	230	80	S
Technicians/technologists.....	8,640	5,840	60	2,590	120	S
Sales and marketing occupations.....	7,320	5,710	120	1,300	190	S
Other non-S&E occupations.....	16,840	15,030	240	1,270	280	S

See explanatory information and SOURCE at end of table.

Table 28. Doctoral scientists and engineers, by occupation and race/ethnicity: 1999

Page 2 of 2

Occupation	Total	White <sup>1</sup>	Black	Asian/Pacific Islander	Hispanic	American Indian/Alaskan Native
[Percent]						
All occupations.....	100.0	81.2	2.3	13.8	2.4	0.3
Scientists.....	100.0	82.9	2.1	12.1	2.6	0.4
Computer and information scientists.....	100.0	67.0	1.1	29.5	2.3	S
Computer/information scientists.....	100.0	64.3	0.8	32.4	2.4	S
Postsecondary teachers, computer sciences.....	100.0	78.2	2.5	17.4	1.6	S
Mathematical scientists.....	100.0	80.0	1.9	15.1	2.9	S
Mathematical scientists.....	100.0	76.4	2.1	19.3	2.1	S
Postsecondary teachers, math sciences.....	100.0	81.7	1.8	13.1	3.3	S
Life and related scientists.....	100.0	81.9	1.6	13.5	2.7	0.3
Agricultural scientists.....	100.0	84.1	2.0	9.4	4.1	S
Biological scientists.....	100.0	77.3	1.4	18.2	2.8	0.4
Forestry and conservation scientists.....	100.0	88.9	S	6.4	S	S
Postsecondary teachers, life and related sciences.....	100.0	88.6	1.9	7.1	2.2	0.2
Physical and related scientists.....	100.0	83.1	1.4	13.2	2.0	0.3
Chemists, except biochemistry.....	100.0	76.5	1.4	20.2	1.8	S
Earth scientists.....	100.0	87.2	S	10.3	1.7	S
Physics and astronomers.....	100.0	84.6	0.9	13.0	1.3	S
Other physical scientists.....	100.0	88.1	S	8.9	S	S
Postsecondary teachers, physical and related sciences.....	100.0	87.1	1.8	7.6	2.8	0.6
Social scientists.....	100.0	84.4	4.0	8.0	3.0	0.6
Economists.....	100.0	80.8	1.9	14.3	2.5	S
Political scientists.....	100.0	89.8	S	5.1	S	S
Sociologists and anthropologists.....	100.0	90.4	3.3	3.8	2.2	S
S&T historians and other social scientists.....	100.0	84.3	4.0	8.6	S	S
Postsecondary teachers, social sciences .....	100.0	84.3	4.6	7.2	3.3	0.6
Psychologists.....	100.0	91.6	2.8	2.0	3.0	0.5
Psychologists.....	100.0	92.3	2.4	2.0	2.8	0.5
Postsecondary teachers, psychology.....	100.0	89.8	4.1	2.2	3.5	0.3
Engineers.....	100.0	69.7	1.5	26.5	2.0	0.2
Aerospace/aeronautical engineers.....	100.0	76.6	1.1	20.9	1.3	S
Chemical engineers.....	100.0	66.1	1.3	31.0	1.5	S
Civil and architectural engineers.....	100.0	61.9	S	31.2	5.6	S
Electrical and related engineers.....	100.0	62.4	1.5	34.5	1.4	0.3
Materials/metallurgical engineers.....	100.0	78.2	S	17.5	S	S
Mechanical engineers.....	100.0	61.4	0.6	36.4	1.5	S
Other engineers.....	100.0	73.1	1.2	23.6	1.9	S
Postsecondary teachers, engineering.....	100.0	78.3	2.7	16.3	2.6	S
Non-S&E occupations.....	100.0	83.1	3.1	11.4	2.1	0.3
Top/mid-level managers, administrators, etc.....	100.0	84.2	3.1	10.3	2.1	0.4
Health and related occupations.....	100.0	79.0	3.6	15.1	2.0	0.4
Teachers, except S&E postsecondary teachers.....	100.0	85.7	4.8	6.6	2.4	0.4
Social services and related occupations.....	100.0	81.1	7.8	8.3	2.9	S
Technicians/technologists.....	100.0	67.6	0.7	30.0	1.4	S
Sales and marketing occupations.....	100.0	78.0	1.6	17.8	2.5	S
Other non-S&E occupations.....	100.0	89.2	1.5	7.6	1.6	S

<sup>1</sup> 'Other' race included with 'white'.

KEY: S=Suppressed due to too few cases (fewer than 50 weighted cases). S&amp;T=science and technology. S&amp;E=science and engineering.

NOTES: If the respondent was unemployed during the survey reference period, occupation of last job was reported. Numbers are rounded to nearest ten. The race/ethnicity data shown are for all doctoral recipients, including temporary residents. Details may not add to total because of rounding. Excludes estimated 540 individuals who reported never having worked.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 1999 Survey of Doctorate Recipients